SONY

Changer Control Audio Master

Operating Instructions US

Owner's Record

The model and serial numbers are located on the bottom of the unit. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. WX-C55 Serial No. _____

For installation and connections, see the supplied installation/connections manual.

COMPACT disc DIGITAL AUDIO

WX-C55

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Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio / TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

CAUTION
The use of optical instruments with this product will increase eye hazard.

Welcome !

Thank you for purchasing the Sony Changer Control Audio Master. This unit lets you enjoy a variety of features as well as an optional rotary commander.

In addition to the CD playback, tape playback and radio operations, you can expand your system by connecting an optional MD / CD unit*.

* *You can connect a CD changer, an MD changer, a CD player and an MD player.*

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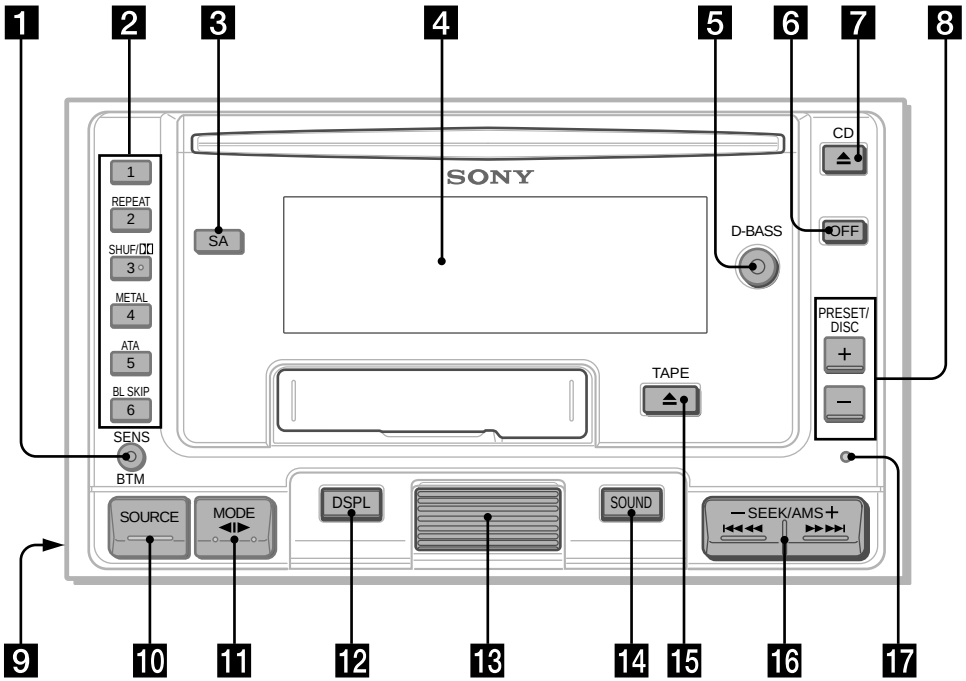
Location of controls



Refer to the pages for details.

1 SENS/BTM (sensitivity adjust/best tuning memory) button 10, 11

2 During tuner reception:
Preset number buttons 10

During tape/CD/MD playback:

- ② **REPEAT button 8, 9, 15**
- ③ **SHUF/DD (Shuffle/Dolby) button 8, 9, 16**
- ④ **METAL button 9**
- ⑤ **ATA (Automatic Tuner Activation) button 9**
- ⑥ **BL SKIP (Blank Skip) button 9**

3 SA (Spectrum Analyzer) button 14

4 Display window

5 D-BASS button 14

6 OFF button 7, 8

7 CD ⏏ (eject) button 7

8 PRESET/DISC button

During radio reception:
Preset station search 11

During CD/MD playback:
Disc select 15

9 POWER SELECT switch (located on the left side of the unit)
See "POWER SELECT Switch" in the Installation/Connections manual.

10 SOURCE (source select) button 7, 8, 10, 15

11 MODE/◄I► (band/unit select/tape transport direction change) button 8, 10, 15

12 DSPL (display mode change) button 6, 7, 9, 11, 15

13 Jog roller (volume/bass/treble/balance/fader) 6, 13
Jog roller usually functions as a volume control except in some adjusting modes.

14 SOUND button 6, 13

15 TAPE ⏏ (eject) button 8

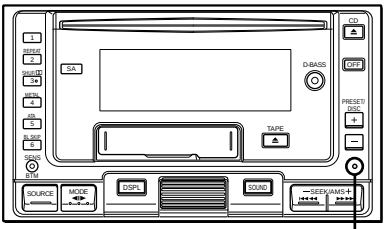
16 SEEK/AMS (seek/Automatic Music Sensor/manual search) button 8, 9, 10, 11, 15

17 Reset button 6

When the positions of switch 9 has been changed, be sure to press the reset button after connecting power.

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.
Press the reset button with a pointed object, such as a ball-point pen.

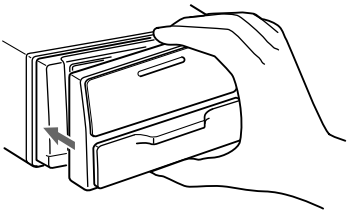


Notes

- *Pressing the reset button will erase the clock and some memorized functions.*
- *When you connect the power supply cord to the unit or reset the unit, wait for about 10 seconds before you insert a disc. If you insert a disc within these 10 seconds, the unit will not be reset, and you will have to press the reset button again.*

Using the dummy cover

To deter theft of this unit, use the dummy ashtray cover when not using your car.



Note

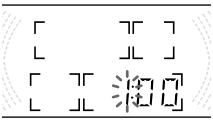
If the unit does not extend 6 mm (1/4 in.) from the dashboard, you may not be able to use the decoy cover.

Setting the clock

The clock uses a 12-hour digital indication.

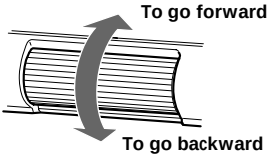
Example: Set the clock to 10:08

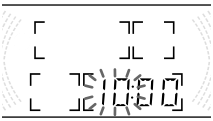
1 Press (DSPL) for two seconds.



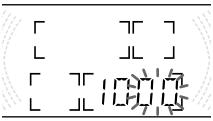
The hour digit flashes.

❶ Set the hour.



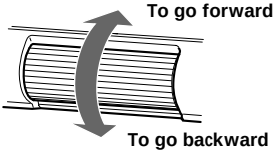


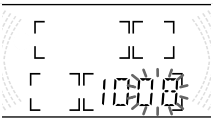
❷ Press (SOUND).



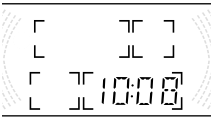
The minutes digits flash.

❸ Set the minute.





2 Press (DSPL).



The clock starts.

Note

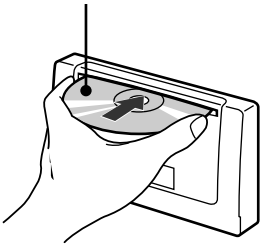
If the POWER SELECT switch on the left side of the unit is set to the B position, turn the power on first by pressing (SOURCE), then set the clock.

CD Player

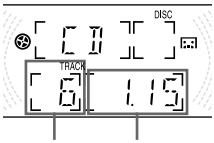
Listening to a CD

Simply insert the CD.
Playback starts automatically.

Labelled side up



If a CD is already inserted, press (SOURCE) repeatedly until "CD" appears.



Track number **Elapsed playing time**

To	Press
Stop playback	(OFF)
Eject the CD	CD ⏏

Note

If you leave the disc in the insertion slot for more than 15 seconds after pressing CD ⏏, the disc will reinsert automatically to protect the disc.

Changing the display item

Each time you press (DSPL), the item changes as follows:

Track number/Elapsed playing time ⟷ Clock

Locating a specific track — Automatic Music Sensor (AMS)

During playback, press either side of (SEEK/AMS) momentarily.

To locate preceding tracks **To locate succeeding tracks**

Locating a specific point in a track — Manual Search

During playback, press and hold either side of (SEEK/AMS). Release the button when you have found the desired point.

To search backward **To search forward**

Note

If "L L L L" or "7 7 7 7" appears in the display, that means you have reached the beginning or the end of the disc and you cannot go any further.

Playing a CD in various modes

You can play CDs in various modes:

- REP (Repeat Play) repeats the current track.
- SHUF (Shuffle Play) plays all the tracks in random order.

Playing tracks repeatedly — Repeat Play

Press (2) (REPEAT) during playback.
"REP 1" appears on the display and repeat play starts.

To return to the normal playback mode, press (2) (REPEAT) again.

Playing tracks in random order — Shuffle Play

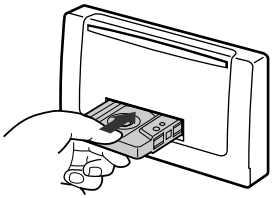
Press (3) (SHUF/□□) during playback.
"SHUF 1" appears on the display and shuffle play starts.

To return to the normal playback mode, press (3) (SHUF/□□) again.

Cassette Player

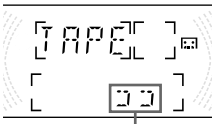
Listening to a tape

Insert a cassette.

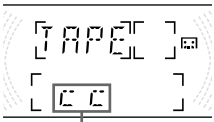


Playback starts automatically.

If a cassette is already inserted, press (SOURCE) until "TAPE" appears.



The side facing up is played.



The side facing down is played.

Tip

To change the tape transport direction, press (MODE) (◀I▶) during tape playback.

To	Press
Stop playback	(OFF)
Eject the cassette	TAPE ⏏

Fast-winding the tape

During playback, press and hold either side of (SEEK/AMS) for two seconds.

Rewind **Fast-forward**

To start playback during fast-forwarding or rewinding, press (MODE) (◀I▶).

Locating the beginning of a track — Automatic Music Sensor (AMS)

During playback, press either side of (SEEK/AMS) momentarily.

To locate preceding tracks **To locate succeeding tracks**

Note

The AMS function may not work when :

— the blanks between tracks are shorter than four seconds.
— there is noise between tracks.
— there are long sections of low volume or quiet sections.

Changing the displayed items

Each time you press (DSPL) during tape playback, the display changes as follows:

→ **Tape playback** → **Clock** → **Frequency*** →

** While the ATA function is activated.*

Playing a tape in various modes

You can play the tape in various modes:

- REPEAT (Repeat Play) repeats the current track.
- DOLBY NR (Dolby NR) lets you select the Dolby* NR B system.
- METAL plays CrO_2 or metal tape.
- ATA (Automatic Tuner Activation) turns on the tuner automatically while fast-winding the tape.
- BL SKIP (Blank Skip) skips blanks longer than eight seconds.

** Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol DOLBY are trademarks of Dolby Laboratories Licensing Corporation.*

Playing a track repeatedly — Repeat play

Press (2) (REPEAT) during playback.
"REP" appears on the display and repeat play starts.

To return to the normal playback mode, press (2) (REPEAT) again.

Playing a tape recorded in the Dolby B NR system

Press (3) (SHUF/DOLBY) during playback.
"DOLBY" appears on the display.

To return to the normal playback mode, press (3) (SHUF/DOLBY) again.

Playing a CrO_2 or metal tape

Press (4) (METAL) during playback.
"MTL" appears on the display.

To return to the normal playback mode, press (4) (METAL) again.

Switching to the radio while fast-winding a tape — Automatic Tuner Activation (ATA)

Press (5) (ATA) during playback.
"ATA" appears on the display.

To return to the normal playback mode, press (5) (ATA) again.

Skipping blanks during tape playback — Blank skip

Press (6) (BL SKIP) during playback.
"BL SKIP" appears on the display.

To return to the normal playback mode, press (6) (BL SKIP) again.

Memorizing stations automatically

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals and memorizes them in the order of their frequencies. You can store up to 6 stations on each band (FM1, FM2, AM1, and AM2).

Caution

When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

1 Press (SOURCE) repeatedly to select the tuner.

Each time you press (SOURCE), the source changes as follows:

CD → TAPE → TUNER →

2 Press (MODE) repeatedly to select the band.

Each time you press (MODE), the band changes as follows:

→ FM1 → FM2 → AM1 → AM2 →

3 Press (SENS/BTM) for two seconds.

The unit stores stations in the order of their frequencies on the number buttons.
A beep sounds when the setting is stored.

Notes

- *The unit does not store stations with weak signals. If only a few stations are received, some number buttons will retain their former setting.*
- *When a number is indicated in the display, the unit starts storing stations from the one currently displayed.*

Memorizing only the desired stations

You can store up to 6 stations on each band in the order of your choice.

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band (FM1, FM2, AM1, or AM2).

3 Press either side of (SEEK/AMS) to tune in the station you want to store on the number button.

4 Press and hold the desired number button (1 to 6) until "PRESET" appears.

The number button indication appears in the display.

Note

If you try to store another station on the same number button, the previously stored station will be erased.

Receiving the memorized stations

1 Press (SOURCE) repeatedly to select the tuner.

2 Press (MODE) repeatedly to select the band (FM1, FM2, AM1, or AM2).

3 Press the number button (1 to 6) momentarily where the desired station is stored.

If you cannot tune in a preset station

Press either side of (SEEK/AMS) momentarily to search for the station (automatic tuning).

Scanning stops when the unit receives a station. Press either side of (SEEK/AMS) repeatedly until the desired station is received.

Note

If the automatic tuning stops too frequently, press (SENS/BTM) to light up "LCL" on the display (local seek mode). Only the stations with relatively strong signals will be tuned in.

Tips

- *If you know the frequency of the station you want to listen to, press and hold either side of (SEEK/AMS) until the desired frequency appears (manual tuning).*
- *You can also select the preset stations by pressing PRESET/DISC (+) or (–).*

If FM stereo reception is poor — Monaural Mode

Press (SENS/BTM) repeatedly until "MONO" appears.
The sound improves, but becomes monaural ("ST" disappears).

To return to the normal mode, press (SENS/BTM) again until "MONO" disappears.

Changing the display item

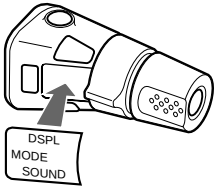
Each time you press (DSPL), the items changes as follows:

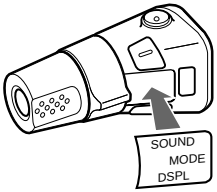
Frequency ⟷ Clock

Other Functions

The rotary commander labels

You can control this unit with the optional rotary commander (RM-X4S).
Some labels are supplied with the rotary commander. Attach labels to match the functions of the master unit according to the position of the rotary commander.
When you mount the rotary commander, attach the label as in the illustration below.

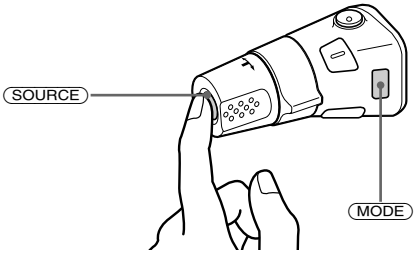




Using the rotary commander

The rotary commander works by pressing buttons and / or rotating controls.
You can control an optional CD / MD unit by the rotary commander.

By pressing buttons (the SOURCE and the MODE buttons)



Every time you press (SOURCE), the source changes as follows:

→ TUNER → CD → MD → TAPE →

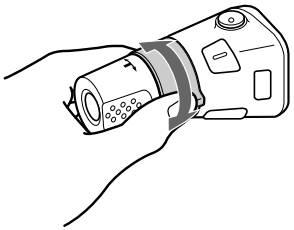
Pressing (MODE) changes the operation in the following ways:

- **Tuner: FM1 → FM2 → AM1 → AM2**
- **CD unit: CD1 → CD2 → ...**
- **MD unit: MD1 → MD2 → ...**
- **Tape: tape transport direction**

Tip

You can turn on this unit by pressing (SOURCE) on the rotary commander.

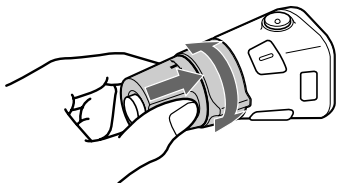
By rotating the control (the SEEK/ AMS control)



Rotate the control momentarily and release it to:

- Locate the beginnings of tracks on the tape. Rotate and hold the control, then release it to fast-wind the tape.
- Locate a specific track on a disc. Rotate and hold the control until you locate the specific point in a track, then release it to start playback.
- Tune in stations automatically. Rotate and hold the control to tune in a specific station.

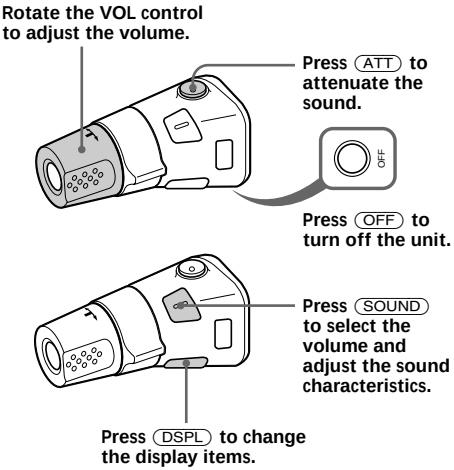
By pushing in and rotating the control (the PRESET/DISC control)



Push in and rotate the control to:

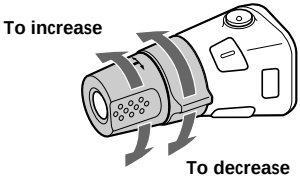
- Receive the stations memorized on the preset buttons.
- Change the disc.

Other operations

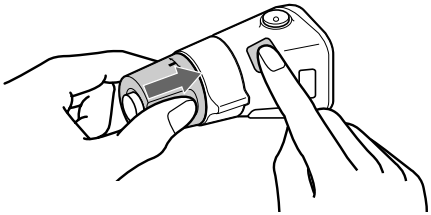

Rotate the VOL control to adjust the volume.
Press (ATT) to attenuate the sound.
OFF
Press (OFF) to turn off the unit.
Press (SOUND) to select the volume and adjust the sound characteristics.
Press (DSPL) to change the display items.

Changing the operative direction

The operative direction of controls is factory-set as in the illustration below.



If you need to mount the rotary commander on the right side of the steering column, you can reverse the control's operative direction.

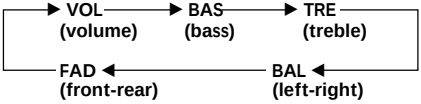


Press (SOUND) for two seconds while pushing in the VOL control.

Adjusting the sound characteristics

1 Select the item you want to adjust by pressing (SOUND) repeatedly.

Each time you press (SOUND), the item changes as follows:



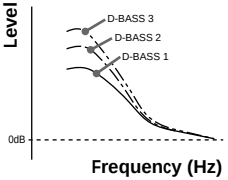
2 Adjust the selected item by rotating the jog roller.

Adjust within three seconds after selecting. (After three seconds the jog roller will again serve as the volume control.)

Changing the sound and beep tone

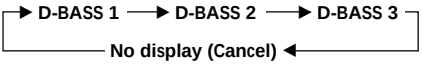
Boosting the bass sound — D-Bass

You can enjoy clear and powerful bass sounds. The D-bass function boosts the low frequency signal with a sharper curve than conventional bass boost.
You can hear the bass line more clearly even if the vocal sound is the same volume. You can emphasize and adjust the bass sound easily.



Adjusting the bass curve

Press (D-BASS) repeatedly to select the desired bass curve.
Each time you press (D-BASS), the bass curve changes as follows:



As the D-BASS number increases so does the effect.

To cancel the effect, press (D-BASS) repeatedly until "D-BASS" disappears.

Note
The bass sound may distort at same volume. If the bass sound distorts, select less effective bass curve.

Turning off the beep tone

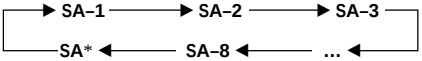
Press (6) while pressing (SOUND).

To obtain the beep tone again, press these buttons once more.

Selecting the spectrum analyzer

The sound signal level is displayed on a spectrum analyzer. You can select from 8 display patterns .

During playback, press (SA) to select a desired setting.
Each time you press (SA), the setting changes as follows:

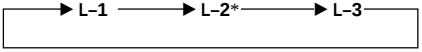


** Patterns SA-1to SA-8 appear for 10 seconds each in sequence.*

Adjusting the spectrum analyzer level

You can select from three spectrum analyzer levels.

During playback, press (SA) for two seconds.
Each time you press and hold (SA) for two seconds, the displayed item changes as follows:



** Factory pre-setting*

With Optional Equipment

CD/MD unit

You can control two CD or MD units with this unit.

Playing a CD or MD

1 Press (SOURCE) repeatedly until "CD" or "MD" appears.

2 Press (MODE) repeatedly to select the desired CD/MD changer.
CD / MD playback starts.

When a CD / MD unit is connected, all the tracks play from the beginning.

Switching to other discs

During playback, press PRESET/DISC ⊕ or ⊖.

PRESET/ DISC

+ To advance to the next disc

− To return to the previous disc

Changing the display item

Each time you press (DSPL) during CD or MD playback, the item changes as follows:

Disc number/
Track number/Elapsed playing time
↕
Clock

Locating a specific track — Automatic Music Sensor (AMS)

During playback, press either side of (SEEK/AMS) once for each track you want to skip.

To locate preceding tracks **To locate succeeding tracks**

Locating a specific point in a track — Manual Search

During playback, press and hold either side of (SEEK/AMS). Release the button when you have found the desired point.

To search backward **To search forward**

Playing tracks repeatedly — Repeat Play

You can select:
- REP 1 to repeat a track.
- REP 2 to repeat a disc.
- REP 3 to repeat all the discs in the current unit.

During playback, press (2) (REPEAT) repeatedly until the desired setting appears.

Repeat Play starts.

** "REP 2" and "REP 3" are only available when you connect one or more optional CD units, or when you connect two or more optional MD units.*

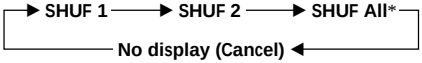
To return to the normal playback mode, press (2) (REPEAT) repeatedly until "REP" desappears.

Note
When you play back a CD on this unit, Repeat 3 has the same function as Repeat 2.

Playing tracks in random order — Shuffle Play

You can select:
- SHUF 1 to play the tracks on the current disc in random order.
- SHUF 2 to play the tracks in the current changer in random order.
- SHUF All to play all the tracks in random order.

During playback, press ③ (SHUF/□□) repeatedly until the desired setting appears.



Shuffle Play starts.

* *"Shuf All" is only available when you connect one or more optional CD units, or when you connect two or more optional MD units.*

To return to the normal playback mode, press ③ (SHUF/□□) repeatedly until "SHUF" desappears.

Additional Information

Precautions

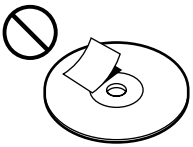
- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of two-speaker systems, set the fader control to the center position.
- If your car is equipped with a power aerial, it will extend automatically while the unit is operating.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Notes on handling CDs

A dirty or defective disc may cause sound dropouts while playing. To enjoy optimum sound, handle the disc as follows.
Handle the disc by its edge. To keep the disc clean, do not touch the surface.

Do not stick paper or tape on the labelled surface.



Do not expose the discs to direct sunlight or heat sources such as hot air-ducts, or leave them in a car parked in direct sunlight where there can be a considerable rise in the temperature inside the car.

Before playing, clean the discs with an optional cleaning cloth. Wipe each disc from the center out.
Do not use solvents such as benzine, thinner, commercially available cleaners or antistatic spray intended for analog discs.

Notes on moisture condensation

On a rainy day or in a very damp area, moisture may condense on the lenses inside the CD player. Should this occur, the unit will not operate properly. In this case, remove the disc and wait for about an hour until the moisture evaporates.

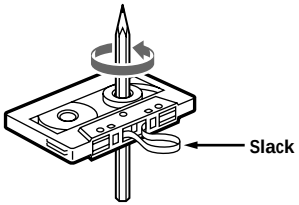
To maintain high quality sound

If you have drink holders near your audio equipment, be careful not to splash juice or other soft drinks onto the car audio. Sugary residues on this unit or cassette tapes may contaminate the playback heads, reduce the sound quality, or prevent sound reproduction altogether.
Cassette cleaning kits cannot remove sugar from the tape heads.

Notes on Cassettes

Cassette care

- Do not touch the tape surface of a cassette, as any dirt or dust will contaminate the heads.
- Keep cassettes away from equipment with built-in magnets such as speakers and amplifiers, as erasure or distortion on the recorded tape could occur.
- Do not expose cassettes to direct sunlight, extremely cold temperatures or moisture.
- Slack in the tape may cause the tape to be caught in the machine. Before you insert the tape, use a pencil or similar object to turn the reel and take up any slack.

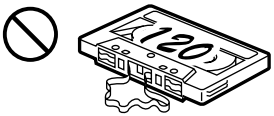


- Distorted cassettes and loose labels can cause problems when inserting or ejecting tapes. Remove or replace loose labels.

- The sound may become distorted while playing the cassette. The cassette player head should be cleaned after each 50 hours of use.

Cassettes longer than 90 minutes

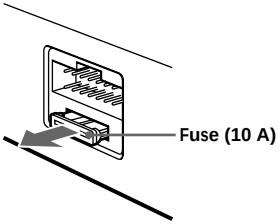
The use of cassettes longer than 90 minutes is not recommended except for long continuous play. The tapes used for these cassettes are very thin and tend to be stretched easily. Frequent playing and stopping of these tapes may cause them to be pulled into the cassette deck mechanism.



Maintenance

Fuse replacement

When replacing the fuse, be sure to use one that matches the amperage described on the fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.



Warning

Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

Specifications

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
13 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 1% total harmonic distortion.

Other specifications

CD player section

Signal-to-noise ratio	94 dB
Frequency response	5 – 20,000 Hz
Wow and flutter	Below measurable limit
Laser Diode Properties	
Material	GaAlAs
Wavelength	780 nm
Emission Duration	Continuous
Laser output power	Less than 44.6 µW*

* *This output is the value measured at a distance of 200 mm from the objecive lens surface on the Optional Pick-up Block*

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 20,000 Hz
Signal-to-noise ratio	

Cassette type	Dolby B NR	Dolby NR off
TYPE II, IV	67 dB	58 dB
TYPE I	64 dB	55 dB

Tuner section

FM

Tuning range	87.5 – 107.9 MHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	9 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)
Harmonic distortion at 1 kHz	
	0.7% (stereo), 0.4% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

AM

Tuning range	530 – 1,710 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.71 MHz/450 kHz
Sensitivity	30 µV

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	35 W × 4 (at 4 ohms)

General

Outputs	Audio outputs (2) Power antenna relay control lead Power amplifier control lead
Power requirements	12 V DC car battery (negative ground)
Dimensions	Approx. 178 × 100 × 181 mm ($7\ ^1/_8 \times 4 \times 7\ ^1/_4$ in.) (w/h/d)
Mounting dimensions	Approx. 178 × 100 × 160 mm ($7\ ^1/_8 \times 4 \times 6\ ^3/_8$ in.) (w/h/d)
Mass	Approx. 2.2 kg (4 lb. 13.6 oz.)
Supplied accessories	Parts for installation and connections (1 set) Dummy cover (1)
Optional accessories	Rotary commander RM-X4S BUS cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2 m) RCA pin cord
Optional equipment	CD changer (10 discs) CDX-828, CDX-727 MD changer (6 discs) MDX-65 Other CD/MD changers with the Sony-BUS system Source selector XA-C30

Design and specifications are subject to change without notice.

Troubleshooting guide

The following checklist will help you remedy the problems you may encounter with your unit. Before going through the checklist below, check the connection and operating procedures.

General

Problem	Cause/Solution
No sound.	• Cancel the ATT function. • Set the fader control to the center position for two-speaker systems. • Rotate the jog roller upward to adjust the volume.
The contents of the memory have been erased.	• The power cord or battery has been disconnected. • The reset button has been pressed. → Store again into the memory.
No beep tone.	• An optional power amplifier is connected and you are not using the built-in amplifier. • The beep tone is muted.

CD/MD playback

Problem	Cause/Solution
A disc cannot be loaded.	• Another CD is already loaded. • The CD is forcibly inserted upside down or in the wrong way (MD).
Playback does not begin.	Defective MD or dusty CD.
A disc is automatically ejected.	The ambient temperature exceeds 50°C (122°F).
The operation buttons do not function.	Press the reset button.
The sound skips due to vibration.	• The unit is installed at an angle of more than 20°. • The unit is not installed in a sturdy part of the car.

Tape playback

Problem	Cause/Solution
Playback sound is distorted.	The tape head is contaminated. → Clean the head with a commercially available dry-type cleaning cassette.
The AMS does not operate correctly.	• There is noise in the space between tracks. • A blank space is too short (less than four seconds). • ▶▶| on (SEEK/AMS) is pressed immediately before the following track. • |◀◀ on (SEEK/AMS) is pressed immediately after the track starts. • A long pause, or a passage of low frequencies or very low sound level is treated as a blank space.

Radio reception

Problem	Cause/Solution
Preset tuning is not possible.	• Memorize the correct frequency. • The broadcast signal is too weak.
Automatic tuning is not possible.	The broadcast signal is too weak. → Use manual tuning.
The stations cannot be received. **The sound is hampered by noises.**	Connect a power antenna control lead (blue) to the power supply lead of a car's antenna booster. (When your car has built-in FM/AM antenna in the rear/side glass only.)
The "ST" indication flashes.	• Tune in the frequency accurately. • The broadcast signal is too weak. → Press SENS/BTM to enter Monaural mode (page 11).

Error displays (when an optional CD/MD unit is connected)

The following indications will flash for about five seconds, and an alarm sound will be heard.

Display	Cause	Solution
E-01	The disc magazine is not inserted in the CD/MD unit.	Insert the disc magazine with discs into the CD/MD unit.
E-02	No disc is inserted in the disc magazine.	Take out the magazine and insert a disc.
E-04	The disc is dirty.	Clean the disc.
	The disc is inserted upside down.	Insert the disc correctly.
E-99	The ambient temperature is more than 50°C (122°F).	Wait until the temperature goes below 50°C (122°F).

If the above-mentioned solutions do not help to improve the situation, consult your nearest Sony dealer.

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1-3-866-713-11(1)

Sony Corporation Printed in Japan